

putative polypeptide	number of amino acids	proposed function or sequence similarity detected	probability	start/stop codons	best match
CalA	328	membrane transporter (ATP-binding)	5.4×10^{-124}	ATG/TGA	DtrA ⁹⁷
CalB	561	membrane transporter	5.5×10^{-70}	ATG/TGA	DtrB ⁹⁷
CalC	181	calicheamicin resistance protein	confirmed	ATG/TGA	
CalD	263	O-methyltransferase	1.1×10^{-99}	ATG/TGA	AveBVII ⁹⁸
CalE	420	glycosyltransferase	4.7×10^{-30}	GTG/TAG	EryCII ⁹⁹
CalF	245	N,N-dimethyltransferase	1.5×10^{-78}	ATG/TGA	DesVI ¹⁰⁰
CalG	990	TDP-D-glucose 4,6-dehydratase	confirmed	GTG/TAG	
CalH	338	Perosamine synthetase	confirmed	GTG/TGA	
CalI	568	Dipeptide transporter	1.7×10^{-24}	GTG/TGA	DciAE
CalJ	332	O-methyltransferase	1.0×10^{-37}	ATG/TGA	DmpM
CalK	440	L-cysteine/cystine C-S-lyase	1.6×10^{-28}	GTG/TGA	C-DES
CalL	562	Oligopeptide transporter protein	9.5×10^{-14}	ATG/TGA	OppA
CalM	416	Regulatory protein		GTG/TGA	
CalN	398	Glycosyltransferase	3.4×10^{-79}	ATG/TGA	OleI
CalO	331	Hexopyranosyl-2,3-reductase	4.9×10^{-139}	ATG/TGA	EryBII
CalP	(179)	Desaturase	5.7×10^{-7}	/TGA	CrtI
CalQ	453	UDP-D-glucose 6-dehydrogenase	confirmed	GTG/TGA	
CalR	282	Transcriptional regulator	6.7×10^{-11}	ATG/TGA	SC5C7.03
CalS	1113	P ₄₅₀ oxidase	2.9×10^{-66}	GTG/TGA	BioI
CalT	432	oxygenase/halogenase	2.0×10^{-62}	GTG/TAA	PCZA361.20
CalU	377	glycosyltransferase	2.0×10^{-53}	ATG/TGA	SnogE/D
CalV	125	β -keto-acyl synthase III	2.0×10^{-65}	ATG/TGA	SC4A9
CalW	(449)	cytochrome P450	1.0×10^{-91}	GTG/TGA	CYP105B1
CalX	(197)	TDP-4-keto-6-deoxy-L-hexose 2,3-dehydratase	1.0×10^{-22}	/TGA	MtmV
6MSAS	(198)	orsellenic acid synthase	6.5×10^{-76}	ATG/	AviM
ActI	(207)	polyketide cyclase	3.0×10^{-66}	/TGA	CurF
ActII	136	polyketide cyclase	5.0×10^{-53}	ATG/TGA	SchB
ActIII	(308)	polyketide synthase	8.6×10^{-148}	GTG/	PmsI
orf1	322	unknown		ATG/TGA	
orf2	654	unknown		ATG/TGA	
orf3	373	integrase	3.0×10^{-13}	ATG/TGA	Yld
orf4	521	chromosome partitioning protein	3.3×10^{-10}	GTG/TAA	ParA
orf5	175	unknown		ATG/TGA	
orf6	139	unknown		ATG/TGA	
orf7	187	unknown		GTG/TGA	
orf8	266	regulatory protein	3.0×10^{-66}	ATG/TGA	KorSA
OrfI	127	hydroxylase	1.5×10^{-7}	ATG/TGA	SC4C6.24c
OrfII	248	unknown		GTG/TGA	
OrfIII	298	hydroxylase	3.3×10^{-90}	GTG/TGA	SCA32
OrfIV	363	unknown	5.3×10^{-43}	GTG/TGA	SC9C7.25
OrfV	288	aminotransferase	2.9×10^{-37}	GTG/TGA	SCF55
OrfVI	1012	glu-ammonia-ligase adenyltransferase	exact	GTG/TGA	SCA32
OrfVII	236	Methyltransferase	8.0×10^{-63}	GTG/TAG	SCF43A.25c
OrfVIII	441	Integral membrane protein	8.9×10^{-9}	GTG/TGA	SCA32
OrfIX	478	Integral membrane protein	1.1×10^{-21}	ATG/TGA	MLB268
OrfX	504	Membrane protein	5.5×10^{-20}	GTG/TGA	BI496.F1.14
OrfXI	251	Immunity resistance protein	1.1×10^{-9}	ATG/TGA	TFXG
IS-element	1209 bp	insertional element	5.7×10^{-168}		IS1136 ¹¹¹

FIG. 3

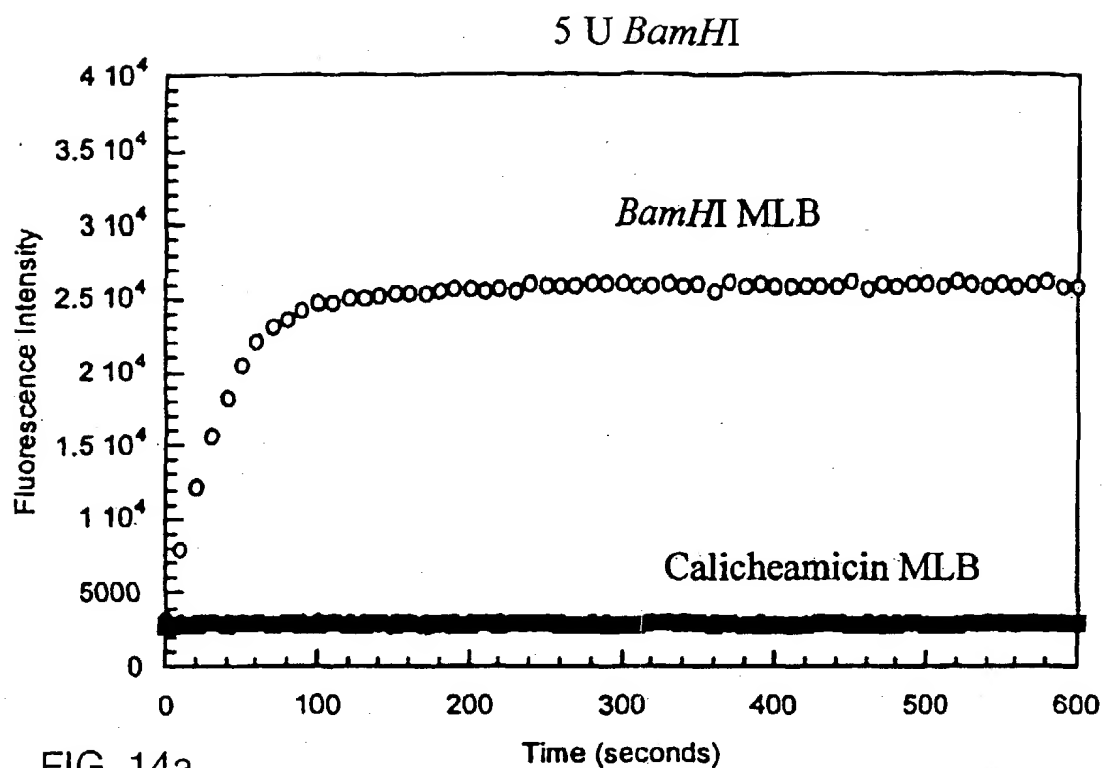


FIG. 14a

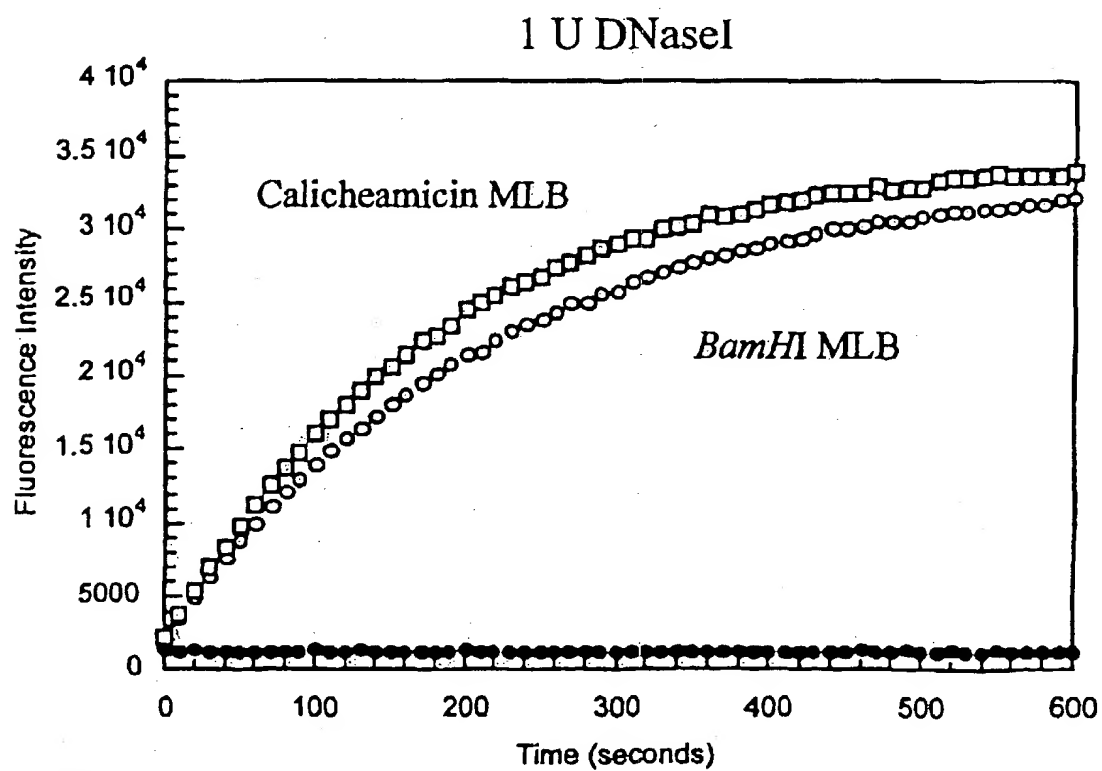


FIG. 14b

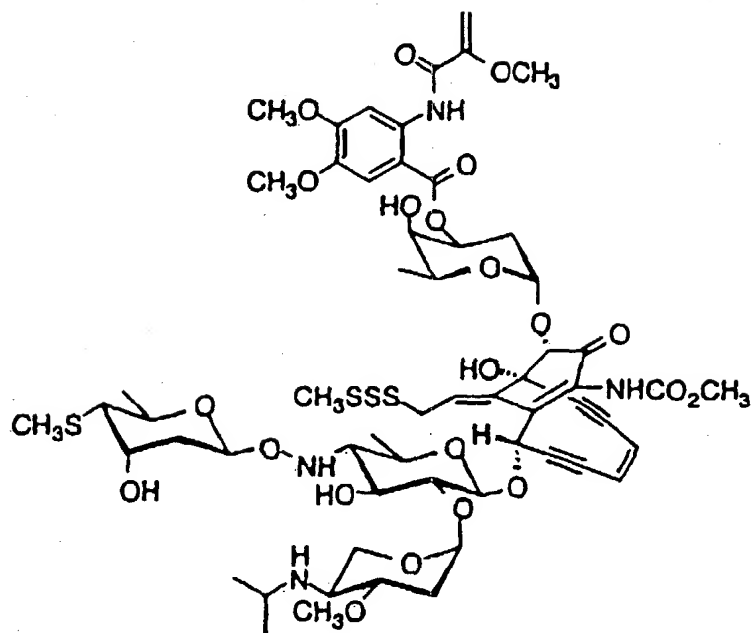
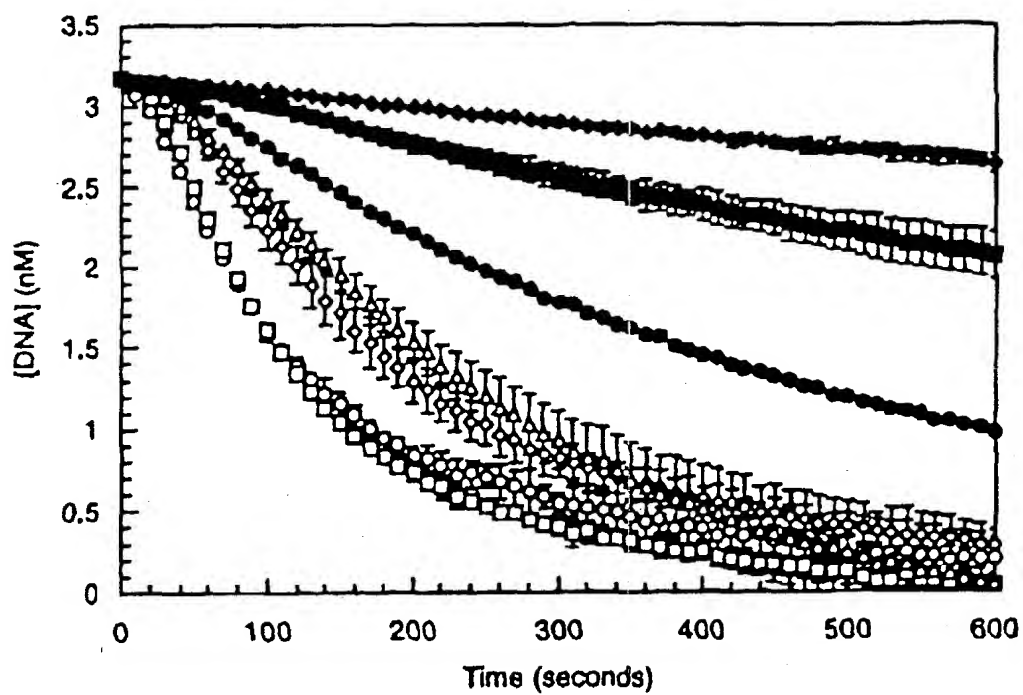


FIG. 15b